



# KEEPS EFFICIENCY IN FOCUS

## Duma®

DURAK Duma® is a pre-wound bobbin thread made of 100% continuous filament polyester. Unlike common pre-wound bobbin threads, there is no space in the middle of the bobbin. Roughly triple thread is obtained per bobbin. Productivity increases as the bobbin change decreases during production. Duma® ensures even and homogeneous thread tension from the beginning to the end. There is no difference of tension due to forward and backward movement of the bobbin. With all these features, Duma® is the first choice of those who want to increase their production efficiency.



### Product Properties

- ✦ Triple thread quantity per bobbin
- ✦ Less bobbin changes
- ✦ Increased productivity up to 10%
- ✦ Even thread tension from beginning to the end
- ✦ Much better sewing quality

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## Areas of Use

- **Mattress**
- **Automotive**
- **Quilting**
- **Furniture**
- **Home textile**

## Physical Properties

Melts at 260°C and softens at 220 - 240°C.

Shrinkage is less than 1% at 150°C.

## Chemical Properties

**Mineral acids:** Resistant against most mineral acids.

**Alkalis:** Unaffected by weak alkalis, moderately resistant to strong alkalis.

**Organic solvents:** Unaffected by normal solvents, soluble in some phenolic compounds.

**Bleaching:** Unaffected.

**Microorganisms (Mildew/Rot):** Unaffected.

**Washing / Dry Cleaning:** Unaffected.

**Moisture regain:** %0.4



## Presentation

DURAK Duma® offers a wide range of color options in thicknesses of 75 (Poly-Cotton), 120(Poly-Poly), 60, 100, 180.

## Color Fastness

<b>Washing fastness at 60°C</b>	<b>ISO 105 C06</b>	<b>Min. 4</b>
<b>Water fastness</b>	<b>ISO 105 E01</b>	<b>Min. 4</b>
<b>Friction fastness</b>	<b>ISO 105 X12</b>	<b>Min. 4</b>
<b>Hypochlorite fastness</b>	<b>ISO 105 N01</b>	<b>Min. 4</b>
<b>Dry cleaning fastness</b>	<b>ISO 105 D01</b>	<b>Min. 4</b>
<b>Perspiration fastness</b>	<b>ISO 105 E04</b>	<b>Min. 4</b>
<b>Artificial light fastness</b>	<b>ISO 105 B02</b>	<b>Min. 4</b>

## Storage Conditions

Must be stored away from heat, humidity and direct sunlight.





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## Thickness and Strength Chart

Ticket No.	Nominal Tex	Strength CN	Elongation %
75(PC)	40	2.000	18 - 24
120 PP	24	1.250	12 - 20
60	45	3.020	14 - 24
100	24	1.350	14 - 20
180	16	950	14 - 19

